

# Converting Colors

Hex(4D00E9)

Have a look what the booklet for  
Hex(4D00E9) contains.

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# Color

**Hex(4D00E9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D00E9
RGB	77, 0, 233
RGB Percent	30%, 0%, 91%
CMY	0.6980, 1.0000, 0.0863
CMYK	0.67, 1.00, 0.00, 0.09
HSL	260°, 100%, 46%
HSV	260°, 100%, 91%
XYZ	17.7685, 7.4610, 77.5944
YIQ	49.5850, -28.9010, 88.7870

# Conversions

## Conversions Part 2

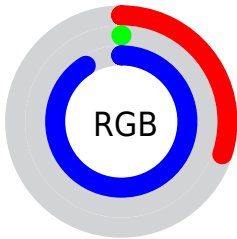
Format	Color
<a href="#">RYB</a>	<a href="#">77, 0, 233</a>
Decimal	<a href="#">5046505</a>
CIELab	<a href="#">32.83, 75.40, -94.45</a>
CIELCh	<a href="#">33, 120.855, 308.603</a>
Yxy	<a href="#">7.4610, 0.1728, 0.0726</a>
Android (android.graphics.Color)	<a href="#">4283236585 (0xFF4D00E9)</a>
YUV	<a href="#">49.5850, 90.4236, 24.0430</a>
Hunter-Lab	<a href="#">27.3148, 68.3152, -149.3076</a>

# Details

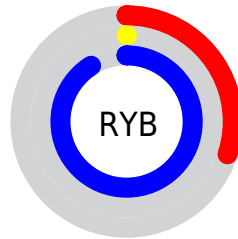
The Hex color **4D00E9** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **9CE900**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **9349FF**, and **0000AF** is the 20% darker color. If you saturate the color by 10%, you get **4D00E9**, and if you desaturate by 10%, it is **5D17E9**.

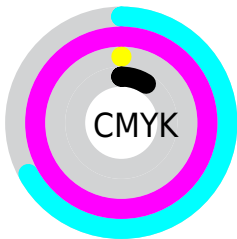
# Distribution



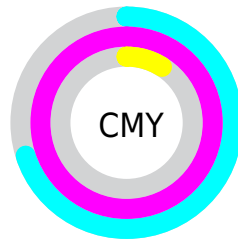
- Red (30%)
- Green (0%)
- Blue (91%)



- Red (30%)
- Yellow (0%)
- Blue (91%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (70%)
- Magenta (100%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D00E9 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 4D00E9 by changing the saturation by 10% instead.



 4D00E9

 4D00E9

FFFFFF

 1900CC

 9349FF

 0000AF

 B365FF

 000094

 D381FF

 000079

 F39DFF

 000D5F

 FFB9FF

 000846

 FFD6FF

 00042F

 FFF4FF

 000119

 000000

 4D00E9

 5D17E9

 6C2FE9

 7C46E9

 8B5DE9

 9B75E9

 AB8CE9

 BAA3E9

 CABAE9

 D9D2E9

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0059FF



4D00E9



C70096

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4D00E9



932500



006968

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



4D00E9



9CE900

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



006600



4D00E9



465300

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4D00E9



C90000



006200



006CC7

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4D00E9



DF0057



006200



006847



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



4D00E9



CCB3FF



009FE9



615280



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



4D00E9



5400FF



BE00E9



6D6A75



3C00B5



120036



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



E9009C



FF00AB



2BE900



756A71



B50079

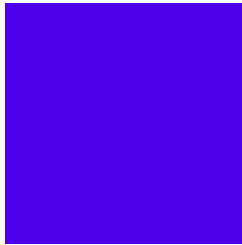


360024



# Previews

## White Background



This preview shows how the Hex color 4D00E9 looks on a white background.

## Color Contrast Check

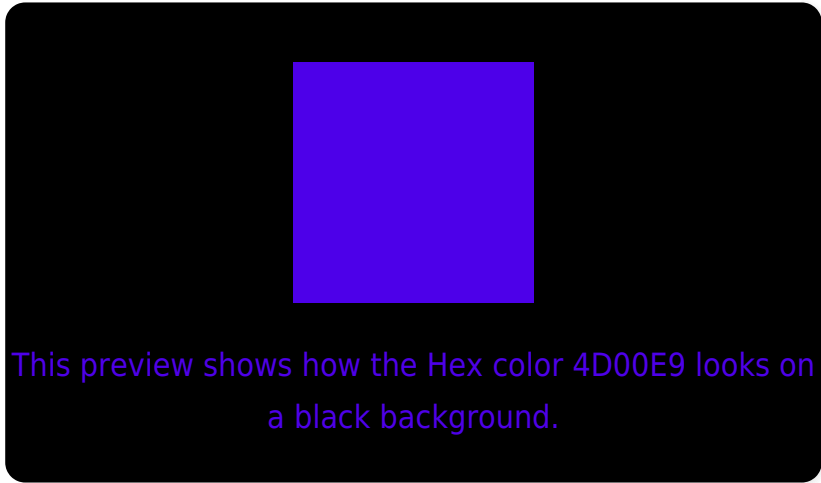
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4D00E9 Background



This preview shows how black text looks on a background with the Hex color 4D00E9.



This preview shows how white text looks on a background with the Hex color 4D00E9.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
4D00E9

**Protanopia**  
004C9F

**Deuteranopia**  
005187



# Trichromacy



**Original Color**  
4D00E9

**Protanomaly**  
1C30BA

**Deuteranomaly**  
1C34AB

**Tritanomaly**  
1C3790

# Monochromacy



**Original Color**  
4D00E9

**Achromatopsia**  
323232

**Achromatomaly**  
3C2075

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D00E9 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #4D00E9 looks like.

```
.text, #text, p{  
    color:#4D00E9  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #4D00E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D00E9
}
```

## Border

The CSS property to change the border of an element to Hex 4D00E9 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

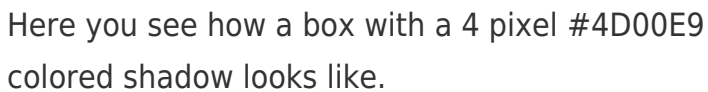
```
.border, #border, table{ border:4px solid
#4D00E9 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#4D00E9 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #4D00E9 colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D00E9; -webkit-box-shadow:4px 4px  
4px 4px #4D00E9; box-shadow:4px 4px 4px  
4px #4D00E9 }
```

# Background

The CSS property to change the background color of an element to Hex 4D00E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D00E9 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#4D00E9 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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